

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v34)**

1. Expand the following expression into standard form.

$$(5x + 6)(4x - 9)$$

2. Solve the equation.

$$(7x - 6)(4x + 9) = 0$$

3. Factor the expression.

$$16x^2 - 9$$

4. Expand the following expression into standard form.

$$(7x - 5)^2$$

5. Solve the equation with factoring by grouping.

$$10x^2 - 8x + 15x - 12 = 0$$

6. Solve the equation.

$$5x^2 + 26x + 10 = 2x^2 + 3x - 4$$

7. Expand the following expression into standard form.

$$(2x + 5)(2x - 5)$$

8. Factor the expression.

$$x^2 + x - 20$$